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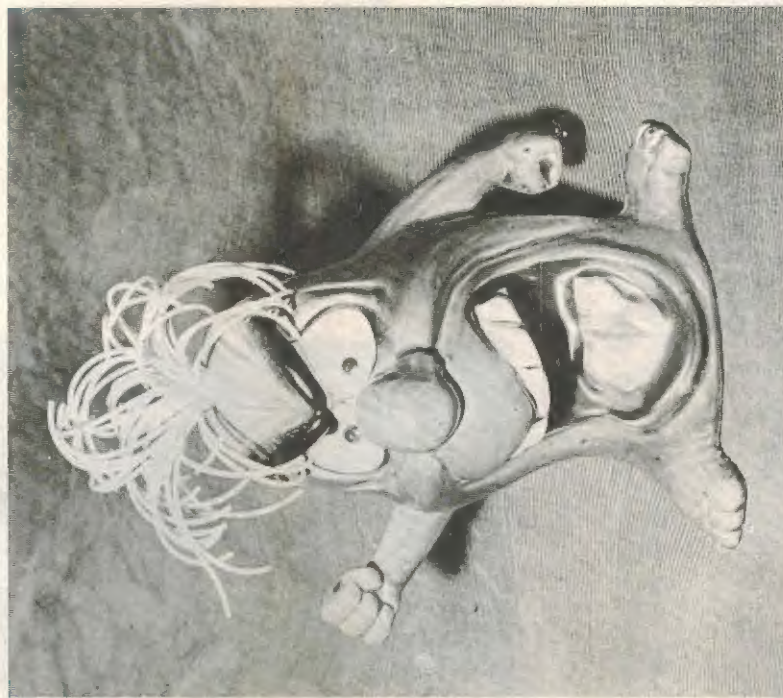
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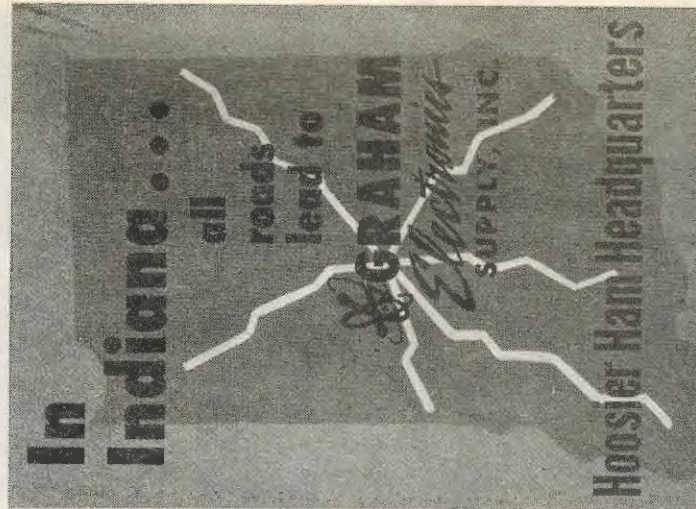
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PLENTY OF FREE PARKING

The Indianapolis Radio Club meets on the 2nd and 4th Friday of each month at the Indianapolis Park Board Building located at 29th and Harding Streets. Meetings start promptly at 8:00 P.M., Indianapolis time.

AMA-CHEWER STAFF

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Ama-Chewer is published monthly by and for I.R.C. and all Amateurs in this area. Non-Members of I.R.C. may subscribe at the rate of \$1.00 per year.

Publication is on the 3rd Friday of each month, with all news items and ads due no later than the 1st Friday of each month.

Ham-Ads (5 line limit) are free to members and subscribers. Others may use this facility at the rate of 50 cents per ad.

Ama-Chewer welcomes the forwarding of information on coming events of other clubs in the area for publication in the program section.

* * * * *

PROGRAM REVIEW

JUNE 22nd

"Twas the night before Field Day and all thru the Shack, nothing was stirring, not even a Tennessee Valley Indian.

Out on the golf course, there arose such a clatter, all the neighbors wondered just "what is the matter". They soon came to realize that it was only those crazy, radio amateurs back for another year.

Yes, it is that time again and we hope to get most everything ready to go the night before. So if you don't feel like working, at least come out and watch as there will be plenty of Coke and Coffee available. Of course the show put on by the members of the Club will be as frivolous and carefree as last year and the year before. Hope to see you there!

* * * * *

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* * * * *

PRESIDENT'S FREQUENCY

An old saying goes, "In the Spring, a young man's fancy turns to thoughts of love." What of the Amateur? Does he also fall under the magical spell of Spring? Perhaps he does! For the Amateur, Spring is the time of the year to clean the elements on the 20-15-10 meter array, resolder coaxial cable connections, and maybe, if he can afford it, replace the entire installation.

Spring means the return of those hams who have been in hibernation. Welcome back to the Ham Bands, Guys! Spring means that Summer is not far away. Everyone knows what this means. Summer is the busiest and happiest season for Hams. Ham-ventions and picnics, mobile wagon train excursions to State parks, and of course, Field Day.

Let us depart momentarily from this idyllic contemplation of the happy season ahead. For a moment, let us look at the business side of our hobby.

At the present time, the Amateur Radio Relay League is making an all-out effort to enlist 51% of more than 200,000 amateurs in the United States, in the League. Indiana ranks among the lowest in League membership. What can we do about this deplorable situation? We can make a concentrated effort to enlist every new Amateur in the ARRL. We can start by having a Club that has a 90% ARRL membership.

Another point, and this one could be a real sore spot with Indiana Hams, is the misuse of the 6 meter Band in this area.

At the present time, this area is being very carefully looked at by the Federal Communications Commission.

In closing, just keep in mind another old saying, "Never bit the hand that feeds you," at least not too hard!

Your President

Ed Ward, K9CRS



".....and I tell you, Ruth, here we were, out on the beautiful Atlantic Ocean, when this twenty foot sailfish jumps about 40 feet out of the water...."

Look who's back from the Sunny South! It's past president, Uncle Bert Brouse, K9JSF. Old Baldy got back' just in time for the April 27th meeting. You should hear some of the tales he had to tell! We all thought we would be there 'til four o'clock Saturday.

Also listening to the "wild tales" along with Ruth Litwiler are, Ray, K9DUR and an unidentified member.

You will note that standing in the back corner, is a huddle composed of Alvey Pittman, W9JJC, Pat Husk, K9EUQ, and friends, discussing the possibilities of winning the BIG PRIZE at the Dayton Ham-vention which was Saturday, April 28th at Dayton, Ohio.

PHILOSOPHERS CORNER

Dick, K9SVB, the Old Kentuckian, tells of an amateur at Columbus, Indiana, who really took care of the TVI problem. It seems this particular Amateur was constantly interfering with his neighbor's TV reception. After many trips back and forth between the two houses, and many all' night sessions at this particular Amateur's home, the neighbor was finally converted to ham radio. Dick says now that the neighbor has his ham license, he doesn't have time to watch the One-Eyed Monster, so -o-o - no more TVI complaints!

* * * * *

SPLATTER

Four Indianapolis hams, members of the Central Indiana Mobile Radio Club, have been complimented by officials of the Sports Car Club of America for their work in providing communications for a sports car rally.

The mobileers are K9CBY, W9FZW, K9SEL and W9YJP.

They handled more than 300 pieces of traffic for the "Indianapolis 500 National Rally of the Champions". The rally started in Indianapolis, and more than 40 sports cars followed the rally route south to the Ohio River, then back north to French Lick.

The mobile operators handled messages between the finish line in French Lick and check points scattered about Orange County on October 15th, the final day of the rally. Operation was on 75 meters.

The mobiles were stationed at fixed locations, but used conventional center-loaded mobile whips -- all, that is, except W9YJP, who found the southern Indiana hill country a good place to use his 15-foot (that's correct) base section for added signal strength. Atop the giant base section was a conventional loading coil and whip top section.

The rapid handling of messages on progress of the sports cars enabled the rally officials to compile results in record time.

TNX to Marsh - K9KTL

* * * * *

TWENTY YEARS AGO

Pete Jennings, W9RYF was to talk on wireless, ie, using the power lines to transmit information. Pete had been working for Public Service of Indiana with WW for many years. Then, Mr. R. F. Borkenstein the chief laboratory technician of the Indiana State Police was to tell of the Scientific Detection of Crime. These uses were to include the use of chemical, electrical, and microscopic methods of detection. Following this was to be a talk by Mr. Toner Overly of the Better Business Bureau who was to tell the methods used by fakers to cure people using the word RADIO in a gadget to do the testing of a patient. This was those that mostly contained flashing bulbs, etc...Still later that month (those were the days when there were four programs a month) Curtis Springer, W9EMR was to display and talk about his home made astronomical equipment. Nelson Trusler, W9FOS, was the program committee head and he had extended an invitation to the code class then in progress to attend any or all of the classes. The code class, by the way, headed by Charley Campbell, W9UEM, had 50 people which included 7 women, and was going along well and volunteers to present different sessions of a theory program outlined by Charley, were being invited to offer their services for this purpose.

Another initiation of members into the Club which saw the following members receive the greeting and Club certificate: Lee Barker, Fred Sawyer, James Lovell, Winfred Clark, Wilbur Keaton, Ora Dillard, Martin Osborne and Roland Pruitt. Following the initiation eats were served and it is noted that 103 weiners were served along with 4 gallons of coffee.

Averell Brown, by then Private Brown, reported in from the AFRTC, Camp Knox, Kentucky. Brown, W9JRK, had left Fort Harrison the month previous and landed at Camp Knox from whence he was reporting, by the way, those abbreviations "AFRTC" meant, Armored Force Replacement Training Corp. Thses and many other abbreviations were to be more and more common as more and more fellows went into Service.

Winfred Clark, W9JYV and Lovell, W9DAG were reporting contacts on Wired Wireless. Also reporting experiments were Fritz Manning, W9VPN, Nelson Trusler, W9FOS and Willie Keaton, W9AUN.

* * * * *

Twenty Years Ago (cont.)

Due to the Club membership beginning to show the effect of those leaving for the Services, the Directors asked for monthly financial reports and were investigating the possible operation of code classes the year around in order that the income therefrom might be used to keep the Club operating. Remember, The Club was by then renting its quarters in the Insley Building.

Don Davis was reported to be considering a job at RCA or a drafting job in Texas.

Nelson Trusler, W9FOS, and Robert Caskey, W9DNQ, then paper editor, both had been reporting that Uncle Sam was breathing down their backs.

In that respect, Caskey had closed his radio shop and gone to work temporarily for Bob Annis and had been reporting each edition of Ama-Chewer as his last. In this issue, the printer added, as he typed up the copy for printing, that Greetings had at last arrived; so that the next issue from which copy for 20 years ago is derived, was addressed to Camp Robinson, Arkansas.

de Bob Caskey, W9DNQ

* * * * *

GRAHAMS SPECIALS OF THE MONTH

COLLINS 75 S 1	FACTORY RECONDITIONED.....	
VERYYYYY	NICE	\$425.00
3 each R.M.E. 4300 Receivers.....	EACH..	\$ 89.50
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National NC-109.....		\$112.50
Central Electronics 20-A.....		\$154.00
Johnson Ranger.....		\$165.00
Hallcrafters HT - 37.....		\$398.00
Poly-Com.....62-B.....6n2 Transceiver.....		\$305.00

.....AND MANY, MANY MORE NEW AND USED BARGAINS

THINGS YOU WILL NEVER (OR VERY SELDOM)
SEE OR HEAR

W9CYQ on single sideband!
W9DNQ on anything except at license renewal time!
K9QDR or W9PSE in a loud voiced argument with anyone!
W9JJC needing a shave or looking "mussed up"!
W9TT on SSB, A.M., or anything else but pure old CW!
An unenthusiastic K9LZJ!

A club program that pleases everyone!

Dick Judkins at a loss for words!

W9JZV and K9JSF sporting extra class tickets!

W9FJR telling anyone to QRS!

K9CRS trying to use his Hoosier Pete credit card at a texaco station!

W9APJ telling anyone to QRQ!

An editor of a Radio Club paper with so many contributions that he wouldn't have to use tripe like this!

* * * * *

FOR SALE.....EXCELLENT CONDITION.....
HAM RADIO EQUIPMENT.....

HQ-145 C with crystal calibrator.....Johnson Viking Ranger
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Jim Rosenbaum - K9OFK
Clifford 5-2145

* * * * *



How many of you were at the May 11th meeting? If you were on hand at this meeting, we are sure you will remember the compact little phone-patch developed by W9VPN, Fritz.

This unit makes use of two small transformers, a couple of switches and potentiometers. Of course, there are a few odd capacitors thrown in for good measure. When seasoned well with half watt resistors and color-coated wire, we guarantee that your phone-patch will work every time.

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HAM ADS

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Only.....\$100.00

Al Ferris, W9UTL
1768 Fruitdale Avenue

* * * * *

If you were one of the group of 39 who went on the chartered bus to Chicago May 5th to tour the three Hallicrafters plants, this is "old hat". But for the rest of you, here is the lowdown.

After some excellent planning and arranging by our tour chairman, Alvey Pittman, W9JJC, and Ed Ward, K9CRS, the first group of passengers were loaded on board the bus downtown at about 7:05 a.m. The bus proceeded to the Linde Company parking lot at Speedway to pick up the rest of the radio group. After everyone was loaded on board and Alvey counted noses, there seemed to be a slight problem. Yes, we had gotten the wrong bus! There were only 37 seats on this bus and with a total of 39 passengers, we definitely had a problem. The bus driver made a call downtown and made the necessary arrangements. We made a quick trip back downtown and when we stopped, everyone filed out quickly and boarded the new bus in less time than they made a pit stop at the "500".

We were now on our way and except for a stop in Kentland for coffee and doughnuts, courtesy of the IRC, we made the trip to the first Hallicrafters Plant with no further delay, arriving about Noon.

We were welcomed by Fritz Franke and several other plant personnel who gave us a briefing of what we were to see and we then proceeded to tour the main facility where the HT-37 and HT-32, SX-115 are produced. The main point of interest here was the VFO room where HT-32 differential temperature compensation VFO are tested. This is done in a heated chamber for utmost accuracy and stability. All production is run on a lot basis and the chassis proceed down a sloping track where the components are wired and mounted in position.

Near the end of assembly, the chassis is set on a vibration table and most of the loose pieces of solder and extra debris falls out to eliminate any possibility of developing a short later.

After this phase, the set is quickly tested for any main line shorts or in the power supply. Then the unit is

(continued on page 11)

turned on for the first time. It is then aligned and re-turned for a final inspection of all the different functions before it is packed for shipment.

At various intervals a set is spot checked and some sets go through a complete testing in a specially equipped room. Hallicrafters winds all their RF coils and various other coils used in the Lowery organ and other equipment.

The next plant visited was the Lowery organ plant which is the largest electronic organ facility in the world. An electronic organ of this type uses 12 basic oscillators which run all the time, and a DC voltage is all that is actually triggered by pressing the keys. Because the switching is DC, it is easy to put a condenser across the circuit to produce the sustained effect. This DC voltage triggers a small neon tube which actually passes the audio signal which is amplified and sent to the speaker.

The chassis contains many tubes and neon bulbs plus molded components for a more compact circuit. By seeing the organs in the various stages of completion, it is easy to see how they are built and how much time it takes to make a single unit.

At this point in the trip, we took a break for lunch for which Hallicrafters was our host.

After lunch, we loaded in the bus and were taken to the Space Environmental Test Chambers where the temperature can be changed for -100 degrees F. to over 200 degrees and different altitudes simulated.

We also toured their standards lab, which has a specially shielded room where all their plant instruments are calibrated and checked against the standards. We also visited with the chief stylist and artist who designs and builds in cardboard models, all the cabinets, etc., for the various equipment which is proposed for production. We believe that everyone had a good time and saw many new and interesting things on the trip. We wish to thank Hallicrafters for making this tour possible for the members of IRC. Many thanks!

de Bob - W9PSE

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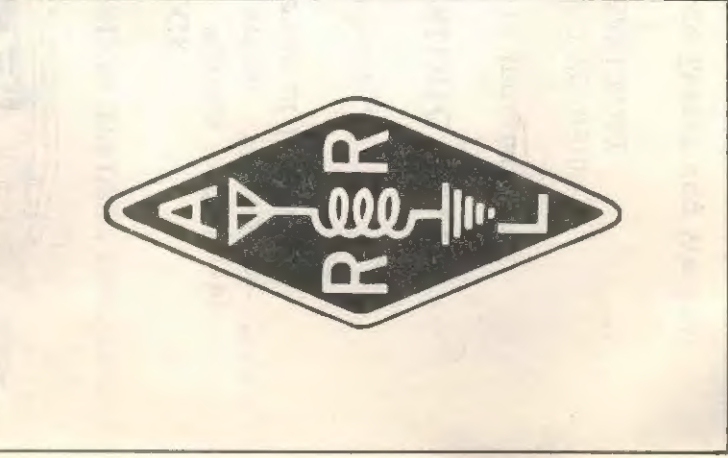
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